


<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>		Attorney Docket No. <b>22221/1100 (RU-339)</b>	
		First Inventor <b>O'Donnell et al.</b>	
		Title <b>NUCLEIC ACID ENCODING THERMOTOGA MARITIMA DELTA PRIME POLYMERASE SUBUNIT</b>	
		Express Mail Label No. <b>EL983811817US</b>	
<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application contents.		ADDRESS TO: <b>Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450</b>	
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original and a duplicate for fee processing)</i> 2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. 3. <input checked="" type="checkbox"/> Specification [Total Pages 124 pages] <i>(preferred arrangement set forth below)</i> - Descriptive title of the invention - Cross Reference to Related Applications <i>(if applicable)</i> - Statement Regarding Fed sponsored R & D <i>(if applicable)</i> - Reference to sequence listing, a table, or a computer program listing appendix <i>(if applicable)</i> - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings <i>(if filed)</i> - Detailed Description - Claim(s) - Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 82 sheets] 5. Oath or Declaration [Total Pages 12 pages] a. <input type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Unsigned c. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 18 completed)</i> i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b) 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76		7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i> a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies; or ii. <input checked="" type="checkbox"/> paper (167 pages) c. <input checked="" type="checkbox"/> Request for Transfer of Computer Readable Record and Statement in Accordance with 37 CFR 1.821(e)	
<b>ACCOMPANYING APPLICATION PARTS</b>			
9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement of Power of Attorney <i>(when there is an assignee)</i> 11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i> 12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i> 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i> 16. <input type="checkbox"/> Nonpublication request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. <input type="checkbox"/> Other: _____			
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76. <input checked="" type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) <span style="float: right;">of prior application No.: 09/716,964</span> Prior application information: Examiner: R. Hutson Group/Art Unit: 1652			
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation <u>can only</u> be relied upon when a portion has been inadvertently omitted from the submitted application parts.			
<b>19. CORRESPONDENCE ADDRESS</b>			
<input type="checkbox"/> Customer Number or Bar Code Label		or <input checked="" type="checkbox"/> Correspondence address below	
Name <b>Nixon Peabody LLP</b> <b>Clinton Square, P.O. Box 31051</b>			
Address			
City <b>Rochester</b>	State <b>NY</b>	Zip Code <b>14603-1051</b>	
Country <b>USA</b>	Telephone <b>(585) 263-1128</b>	Fax <b>(585) 263-1600</b>	
Name (Print/Type) <b>Edwin V. Merkel</b>		Registration No. (Attorney/Agent) <b>40,087</b>	
Signature 		Date <b>September 25, 2003</b>	

# FEE TRANSMITTAL FOR FY 2003

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

Complete if Known

Application Number	To be Assigned
Filing Date	Herewith
First Named Inventor	O'Donnell et al.
Examiner Name	R. Hutson
Art Unit	1652
Attorney Docket No.	22221/1100 (RU 339)

TOTAL AMOUNT OF PAYMENT (\$ 750)

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit Account Number 14-1138

Deposit Account Name Nixon Peabody LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	750
1002 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1) (\$ 750)			

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
9	-20** = 0	X 0	= 0
Independent Claims	2	-3** = 0	X 0 = 0
Multiple Dependent	1	X 0 = 0	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$ 0)		

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1051 130	2051 65	Surcharge - late filing fee or oath
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet
1053 130	1053 130	Non-English specification
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action
1251 110	2251 55	Extension for reply within first month
1252 410	2252 205	Extension for reply within second month
1253 930	2253 465	Extension for reply within third month
1254 1,450	2254 725	Extension for reply within fourth month
1255 1,970	2255 985	Extension for reply within fifth month
1401 320	2401 160	Notice of Appeal
1402 320	2402 160	Filing a brief in support of an appeal
1403 280	2403 140	Request for oral hearing
1451 1,510	1451 1,510	Petition to institute a public use proceeding
1452 110	2452 55	Petition to revive - unavoidable
1453 1,300	2453 650	Petition to revive - unintentional
1501 1,300	2501 650	Utility issue fee (or reissue)
1502 470	2502 235	Design issue fee
1503 630	2503 315	Plant issue fee
1460 130	1460 130	Petitions to the Commissioner
1807 50	1807 50	Processing fee under 37 CFR 1.17(g)
1806 180	1806 180	Submission of Information Disclosure Stmt.
8021 40	8021 40	Recording each patent assignment per property (times number of properties)
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))
1801 750	2801 375	Request for Continued Examination (RCE)
1802 900	1802 900	Request for expedited examination of a design application

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0)

## CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being:

- ☐ deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop \_\_\_\_\_, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450
- ☐ transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_

Typed or printed name \_\_\_\_\_

## SUBMITTED BY

Name (Print/Type)	Edwin V. Merkel	Registration No. (Attorney/Agent)	40,087	Telephone	(585) 263-1128
Signature	<i>Edwin V. Merkel</i>			Date	September 25, 2003

SEND TO: Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: **22221/1100 (RU 339)**

APPLICANTS: **Michael E. O'Donnell, Alexander Yuzhakov, Olga Yurieva,  
David Jeruzalmi, Irina Bruck, and John Kuriyan**

TITLE: **NUCLEIC ACID ENCODING THERMOTOXA MARITIMA  
DELTA PRIME POLYMERASE SUBUNIT**

Certificate is attached to the **Utility Patent Application Transmittal Letter (1 page) (in duplicate) and Fee Transmittal (1 page) (in duplicate)** of the above-named application.

EXPRESS MAIL NUMBER: **EL983811817US**

DATE OF DEPOSIT: **September 25, 2003**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Shawn A. Lockett  
(Typed or printed name of person mailing  
paper or fee)

  
(Signature of person mailing paper or fee)

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: 22221/1100 (RU 339)  
APPLICANTS: Michael E. O'Donnell, Alexander Yuzhakov, Olga Yurieva,  
David Jeruzalmi, Irina Bruck, and John Kuriyan  
TITLE: NUCLEIC ACID ENCODING THERMOTOGA MARITIMA  
DELTA PRIME POLYMERASE SUBUNIT

Certificate is attached to the **Patent Application including specification, claims and abstract (124 pages)** of the above-named application.

EXPRESS MAIL NUMBER: EL983811817US  
DATE OF DEPOSIT: September 25, 2003

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**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: 22221/1100 (RU 339)  
APPLICANTS: Michael E. O'Donnell, Alexander Yuzhakov, Olga Yurieva,  
David Jeruzalmi, Irina Bruck, and John Kuriyan  
TITLE: NUCLEIC ACID ENCODING THERMOTOXA MARITIMA  
DELTA PRIME POLYMERASE SUBUNIT

Certificate is attached to the **Request for Transfer of Computer Readable Record and Statement in Accordance With 37 CFR 1.821(e) (1 page)** of the above-named application and a copy of the **Sequence Listing (167 pages)** as filed in the prior application of the above-name application.

EXPRESS MAIL NUMBER: **EL983811817US**  
DATE OF DEPOSIT: **September 25, 2003**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: **22221/1100 (RU 339)**  
APPLICANTS: **Michael E. O'Donnell, Alexander Yuzhakov, Olga Yurieva,  
David Jeruzalmi, Irina Bruck, and John Kuriyan**  
TITLE: **NUCLEIC ACID ENCODING THERMOTOXA MARITIMA  
DELTA PRIME POLYMERASE SUBUNIT**

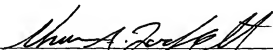
Certificate is attached to the copy of the **Drawings (82 sheets)** as filed in the prior application of the above-named application.

EXPRESS MAIL NUMBER: **EL983811817US**  
DATE OF DEPOSIT: **September 25, 2003**

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**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: 22221/1100 (RU 339)  
APPLICANTS: Michael E. O'Donnell, Alexander Yuzhakov, Olga Yurieva,  
David Jeruzalmi, Irina Bruck, and John Kuriyan  
TITLE: NUCLEIC ACID ENCODING THERMOTOGA MARITIMA  
DELTA PRIME POLYMERASE SUBUNIT

Certificate is attached to the Information Disclosure Statement (1 page) and PTO-1449 (6 page) (in duplicate) with 65 references (not attached) of the above-named application.

EXPRESS MAIL NUMBER: EL983811817US  
DATE OF DEPOSIT: September 25, 2003

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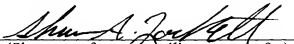
DOCKET NO.: 22221/1100 (RU 339)  
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David Jeruzalmi, Irina Bruck, and John Kuriyan  
TITLE: NUCLEIC ACID ENCODING THERMOTOXA MARITIMA  
DELTA PRIME POLYMERASE SUBUNIT

Certificate is attached to the copy of the **SIGNED Combined Declaration and Power of Attorney Form (12 pages)** as filed in the prior application of the above-named application.

EXPRESS MAIL NUMBER: EL983811817US  
DATE OF DEPOSIT: September 25, 2003

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